

Long. corp. lin. 15.

Habitat in Insula Taprobana.

In Mus. D. Melly.

Caput supra irregulare, haud punctatum, collo pone oculos valde declivi, inter oculos tuberculis duobus parvis rotundatis elevatis instructum. Pronotum tenue punctatum, marginibus lateralibus elevatis, et utrinque, versus angulos posticos, impressione profunda intus extensa et fere conjuncta notatum. Elytra punctis minutis irregularibus obsita, depressa, singulo striis 7 simplicibus parum impressis, interdum punctis notatis, punctis autem irregulariter dispositis, singulo etiam versus scutellum striola simplici abbreviata.

XLVI. Descriptions of various Coleopterous Insects from New Holland, collected chiefly by Mr. FORTNUM, at Adelaide. By the Rev. F. W. HOPE, F.R.S., &c.

[Read 2d February, 1846.]

IN the second part of the fourth volume of the Entomological Transactions, published in 1845, I described several new species of Coleoptera, collected in Adelaide by Mr. Fortnum. That zealous individual has lately returned to England, and transferred to my hands his entire collection. Amongst the insects are many important additions, which will tend to illustrate the Entomological Fauna of that interesting country. Acquainted with the localities and habits of many of the species, he has kindly offered me the assistance of his note book. I intend therefore to present to the Society descriptions of a series of new species of the different groups, with Mr. Fortnum's notes appended thereto, and I am happy to say that I shall have several of the species now described to add to the riches of our Entomological Cabinet.

COLEOPTERA LAMELLICORNIA.

DYNASTIDÆ.

Sp. 1. *Corynophyllus Fortnumi*, Hope, ♀. (Pl. XIX. fig. 7.)

Vid. p. 112, Vol. 4, part 2, of our Transactions, where the male of the above species is described. The female has lately been

brought to this country by Mr. Fortnum, and is now added, with a short description.

♀. *Castanea nitida*, clypeo punctulato, margine anteriori vix emarginato; thorace nigricanti, angulis anticis et posticis rotundatis; elytrisque rude punctato-striatis.

Long. lin. 8, lat. lin. 5.

Fig. 7 *a*, antenna; 7 *b*, mandible; 7 *c*, maxilla; 7 *d*, instrumenta labialia.

SEMANOPTERUS,* *Hope*. (Pl. XIX. fig. 8, and details.)

Novum genus. Type *S. Adelaidæ*, *Hope*.

Caput antice rotundatum, medio cornutum. *Mandibulæ* robustæ, obtusæ et hirsutæ, (fig. 8 *a*). *Maxillæ* apice 3 dentatæ, dentibus acutis, (fig. 8 *b*). *Palpi* maxillares 4 articulati, 1^{mo} brevi minimo, 2^{do} robustiori, 3^{to} obconico, ultimo elongato ovato. *Mentum* medio dilatatum, antice contractum et emarginatum, (fig. 8 *c*). *Corpus* fere oblongum subdepressum, elytris thorace vix latioribus. *Pedes* validi; tibiis externis 3 dentatis, dentibus acutis.

The above insect from Adelaide appears to be a form peculiar to New Holland. In habit it approaches *Cheiroplatys*, from which it may readily be distinguished by the elevated lines on the elytra, as well as in its general sculpture. It possesses the grooved thorax of *Cheiroplatys*, and seems to approach *Phileurus*. I suspect that both sexes have the thorax hornless. It is found under dead bark in Adelaide, and has not yet, I believe, been taken alive.

Sp. 1. *Semanopterus Adelaidæ*, *Hope*. (Pl. XIX. fig. 8.)

Niger, clypeo brevi cornu armato, sub lente vix punctato. Thorax glaber, convexus, in medio sulcatus, sulco sparsim punctulato. Elytra postice magnitudine parum crescentia, quibusdam lineis elevatis politis signata, interstitiis punctulatis, punctis triplice serie impressis; latera seabriuscula. Corpus infra piceum, pedibus ciliatis, podice rufescente, tenuissime punctato.

Long. lin. 10½, lat. lin. 6.

In Mus. Dom. *Hope*.

It was brought to England by Mr. Fortnum, and found dead under the bark of trees.

* From σηματω and πτερων.

Sp. 2. *Semanopterus subæqualis.*

Niger, clypeo dente parvo armato; thorace in medio sulcato, sulco hanc fortiter impresso, et punctato. Discus glaber, sub lente tenuissime punctatus. Elytra fere æqualia, ad apicem parum crescentia, lineis elevatis et punctis triplici serie ordinatis. Corpus infra atrum, pedibus piceis et ciliatis. Podex rufus, crebrissime punctulatus.

Long. lin. 10, lat. lin. 5.

Sp. 3. *Semanopterus depressus*, Hope.

Affinis præcedenti. Niger, pectore pilis ferrugineis obsito. Clypeus niger, dente parvo armato. Thorax in medio sulcatus, disco glabro et nitido, sub lente tenuissime punctulato. Elytra lineis quibusdam elevatis signata, punctisque in triplici serie ordinatis. Corpus infra piceum, femoribus rufescensibus, ano rubro, crebrissime punctulato.

Long. lin. 10, lat. lin. 5.

Habitat in Australia.

Its real locality is unknown to me, as I purchased it in a box from New Holland.

Sp. 4. *Onthophagus cereus*, Hope, ♂.

Niger, nitidus; antennis piceis, clypeo fere trigono, postice furcato, seu occipite laminâ latâ bicorni armato. Thorax disco canaliculatus, antice retusus, in medio bituberculatus. Elytra sub forti lente lineato-punctata. Corpus infra nigrum, pilis flaveolis obsitum. Tibiae anticæ quadridentatae.

Alter sexus minor, thorace quadrifurcato, tuberculis mediis majoribus, lateralibus minutis et rotundatis.

Long. corp. lin. 5.

The above species in its lustre resembles black sealing-wax, whence its trivial name.

Sp. 5. *Onthophagus Adelaidæ*, Hope.

Nigro-aeneus, clypeo sub bidentato, postice furcato seu cornubus duobus acutis, lateraliter divergentibus, armato. Thorax atro-aeneus et granulatus rugosus. Elytra depressa, sub lente striato-punctata, antennis pedibusque piceis. Alter sexus differt clypeo inarmato.

Long. corp. lin. 4.

[Read 2d March, 1846.]

Fam. SERRICORNIA.

BUPRESTIDÆ.

Genus STIGMODERA.

Sp. 1. *St. Smaragdina*, Hope.

Viridis, antennis atris; thorace aurato-punctulato; elytris concoloribus, fortiter insculptis, marginibus externis cyaneis. Corpus subtus auratum, nitidum, segmentis abdominis lævibus, femoribus viridibus, tibiis cyaneis, tarsisque piecis infra ciliato-spongiosis.

Long. corp. lin. 9.

Habitat in Nova Hollandia.

In Mus. Dom. Hope.

Sp. 2. *St. Xanthopilosa*, Hope.

Affinis 10-maculatæ, at longior; elytris vix thorace latioribus; atro-violacea, thorace roseo-æneo et punctulato. Elytra flavo-marginata, striata, striis punetatis, maculis quatuor luteis; prima prope ad scutellum subrotundata, secunda fere oblonga, tertia parum transversa, ultima in apice minori. Corpus infra argentea lanugine obsitum; pedesque violacei.

Long. corp. lin. 7.

This beautiful species is from Adelaide.

Sp. 3. *St. Vegeta*, Hope.

Læte cyanea, antennis concoloribus, thorace punctulato. Elytra violacea, fasciis tribus flavis fere ad suturam terminata; prima irregulari ad basin posita e humeris ad latera extensa, secunda latiori fere media, tertiaque minori. Corpus infra læte cyaneum, pedibus concoloribus.

Long. corp. lin. 4 $\frac{1}{2}$.

In Mus. Dom. Hope.

From Adelaide.

Sp. 4. *St. colorata*, Hope.

Affinis *flavo-pictæ*, Gory, at latior. Viridis, thorace cyaneo, elytris flavis, maculis duabus violaceis e humeris ad medium disci descendentibus, macula tertia media parva concolori

fascia postica, maculaque quarta ante apicem positis, apicibusque flavis. Corpus infra viride, punctulatum, pedibus concoloribus.

Long. corp. lin. 4.

Habitat in Adelaida.

Sp. 5. *St. media*, Hope.

Sanguinea, thorace cyaneo, elytris flavis, marginibus externis sanguine inquinatis. Elytrorum discus maculis binis humeralibus cyaneis, tertia cruce lata concolori, apicibusque sanguineis. Corpus infra cyaneum et argenteo-tomentosum.

Long. corp. lin. $5\frac{1}{2}$.

Inhabits Adelaide.

Sp. 6. *St. delectabilis*, Hope.

Viridis, thorace concolori, nitido et punctulato. Elytra striato-punctata, macula suturali majore viridi, altera minori utrinque posita, fascia lata aurato-viridi, maculaque irregulari concolori apice terminata. Corpus infra læte viride, punctulatum, pedibus violaceis.

Long. corp. lin. $6\frac{1}{2}$.

Inhabits Port Philip.

LAMELLICORNIA.

Sp. 7. *Aphodius Adelaidæ*, Hope.

Niger, nitidus, clypeo subemarginato, antennis atris. Thorax glaber, elytris sub lente striato-punctatis. Corpus infra nigrum, femoribus tibiisque rubro-piceis.

Long. corp. lin. $2\frac{1}{2}$.

The above insect, I believe, is the first described of *Aphodius* from New Holland; as there are some others in my collection I describe them.

Sp. 8. *Aphodius cincticulus*, Hope.

Affinis *Anachoretæ*, Fab. Caput nigrum, subemarginatum, antice flavescentes, tuberculo unico armatum. Thorax ater, nitidus, margine omni pallescente. Scutellum flavum. Elytra striata, fusco-flava, margine flavescenti. Sutura nigra. Corpus, antennæ et pedes pallescentia.

Long. corp. lin. 2.

Habitat circa Adelaidam.

Sp. 9. *Aphodius sculptus*, Hope.

Niger, antennis flavo-piceis, clypeo emarginato; thorace variolo-so-punctato, elytris lineis elevatis glabris insignitis interstitiis sculptilibus. Corpus infra atrum nitidum, pedibus concoloribus.

Long. corp. lin. $2\frac{1}{2}$.

The above insect was received from Port Philip; its sculpture is very remarkable, whence it is named.

Sp. 10. *Aphodius Tasmaniæ*, Hope.

Fusco-brunneus, clypeo integro, vix reflexo; thorace nigricanti punctulato, margine omni pallescente. Elytra striato-punctata, fusco-brunnea. Corpus infra concolor, pedibus flavescentibus et ciliatis, posticis longissimis.

Long. corp. lin. 5.

Habitat in Tasmania.

In Mus. Dom. Hope.

The above insect is from Van Diemen's Land. In form it approaches *Promeces* of Illiger from Africa, and is also somewhat allied to *Elongatulus*, Fab., from China. The length of the elytra when compared with the thorax, as well as the long posterior tibiæ, seems to mark this form as peculiar to New Holland. Some specimens said to come from Sydney certainly seem closely allied.

Sp. 11. *Aphodius Howitti*, Hope.

Præcedenti affinis, at minori. Fusco-piceus, clypeo integro, vix reflexo. Thorax disco nigricanti punctulato, margine omni rubro-piceo. Elytra striato-punctata, atro-picea. Corpus infra flavescentis, pedibus concoloribus et ciliatis.

Long. corp. lin. $4\frac{1}{2}$.

The above insect was sent to me from Port Philip by Mr. Howitt, in whose honour it is named. It evidently pertains to the same section as *Aphodius Tasmaniæ*.
